#1

ORDER WINDOW BREAK DOWN
CURRENT MODEL

HOURS		ORDERS HOUR	ORDERS WINDOW
7-8	7-9	15	
8-9		15	30
9-10	9-11	15	
10-11		15	30
11-12	11-13	15	
12-13		15	30
		90	90
16-17	16-18	15	
17-18		15	30
18-19	18-20	15	
19-20		15	30
20-21	20-22	15	
21-22		15	30
		90	90
DAILY TOTALS		180	180

DRIVERS			
2 SPORH	7.5	4 SPORH	3.75
3 SPORH	5.0	5 SPORH	3.00

WEEKLY TOTALS (INCLUDES SATURDAY)	990

FIG. 1.
(PRIOR ART)

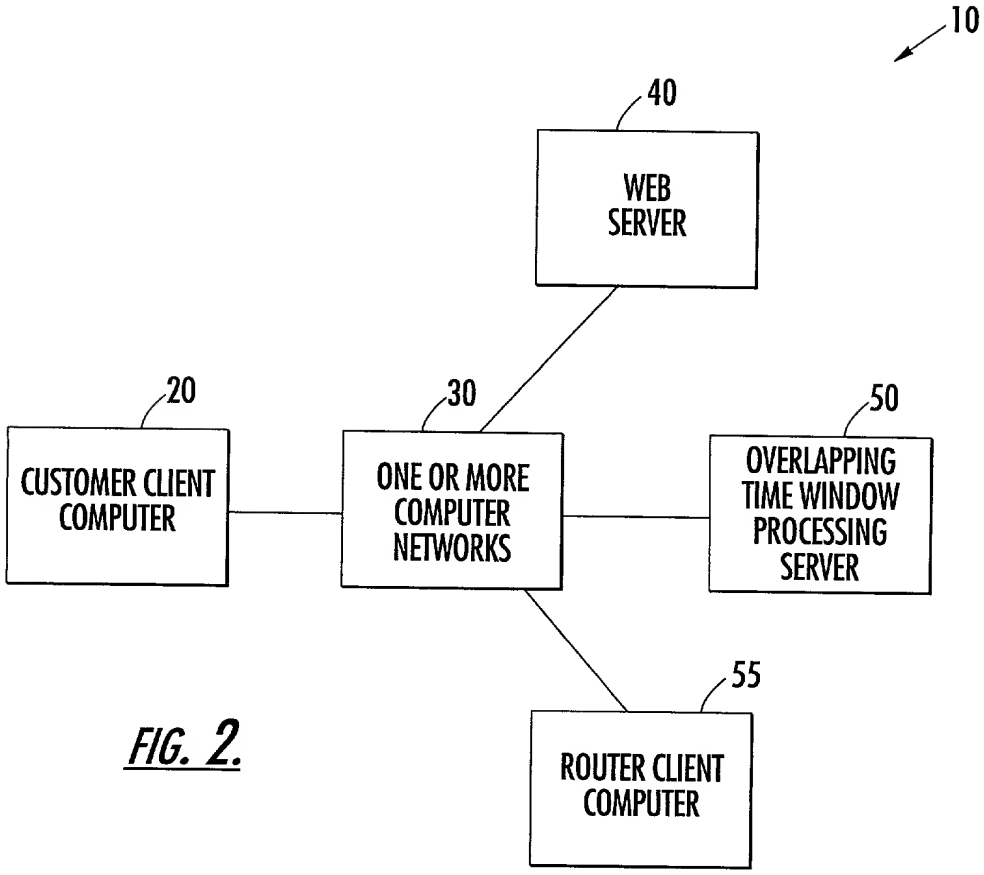

10
40
WEB SERVER
20
CUSTOMER CLIENT COMPUTER
30
ONE OR MORE COMPUTER NETWORKS
50
OVERLAPPING TIME WINDOW PROCESSING SERVER
55
ROUTER CLIENT COMPUTER

FIG. 2.

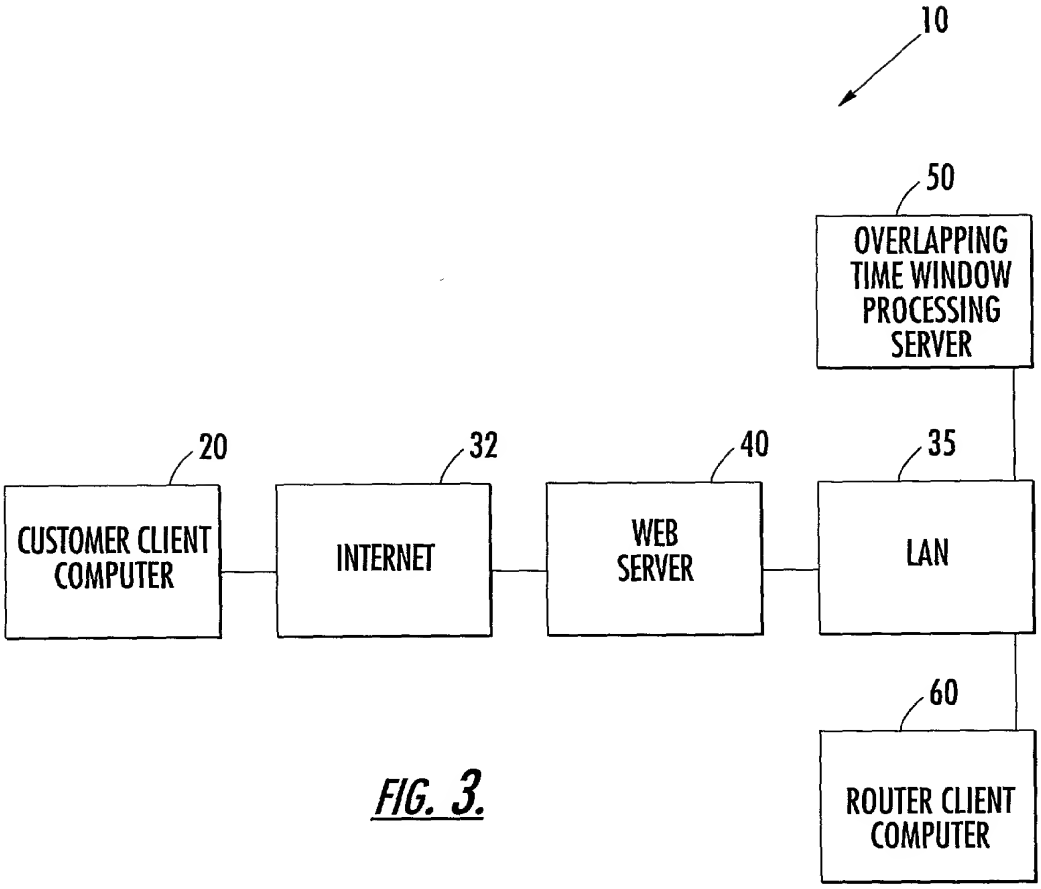

10
50
OVERLAPPING TIME WINDOW PROCESSING SERVER
20
CUSTOMER CLIENT COMPUTER
32
INTERNET
40
WEB SERVER
35
LAN
60
ROUTER CLIENT COMPUTER

FIG. 3.

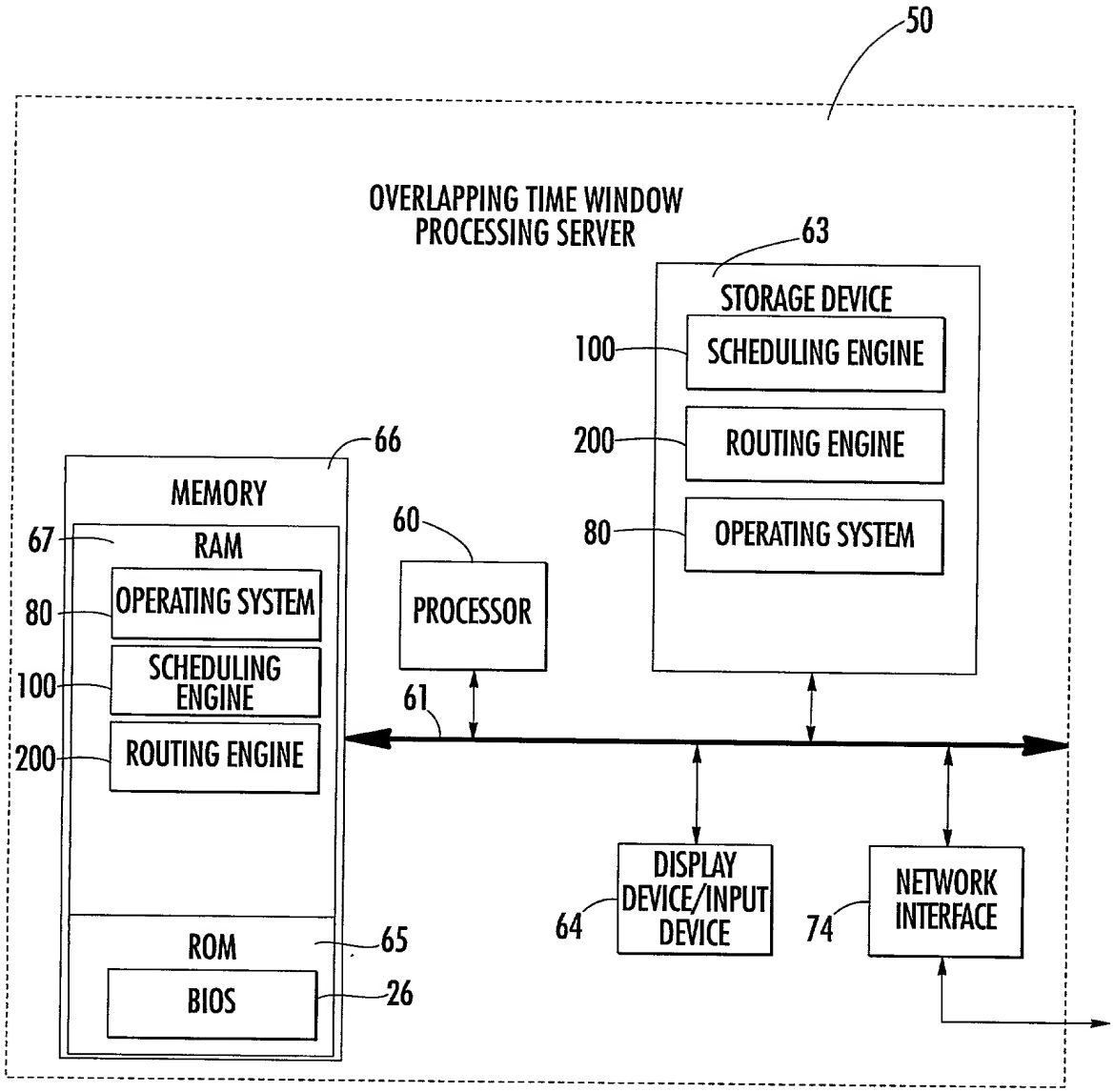

50
OVERLAPPING TIME WINDOW PROCESSING SERVER
63
STORAGE DEVICE
100
SCHEDULING ENGINE
200
ROUTING ENGINE
80
OPERATING SYSTEM
66
MEMORY
67
RAM
80
OPERATING SYSTEM
100
SCHEDULING ENGINE
200
ROUTING ENGINE
60
PROCESSOR
61
ROM
65
BIOS
26
64
DISPLAY DEVICE/INPUT DEVICE
74
NETWORK INTERFACE

FIG. 4.

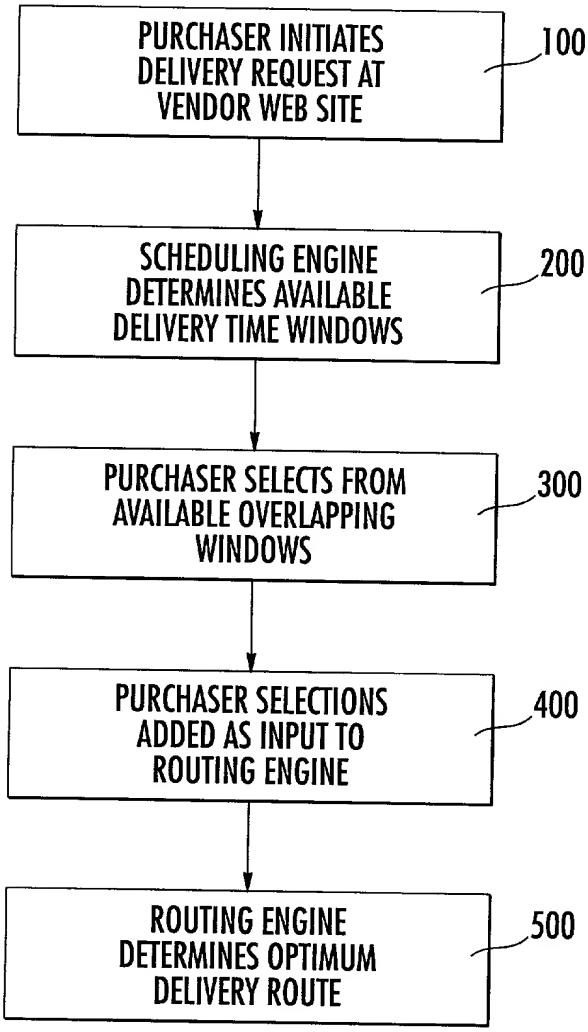
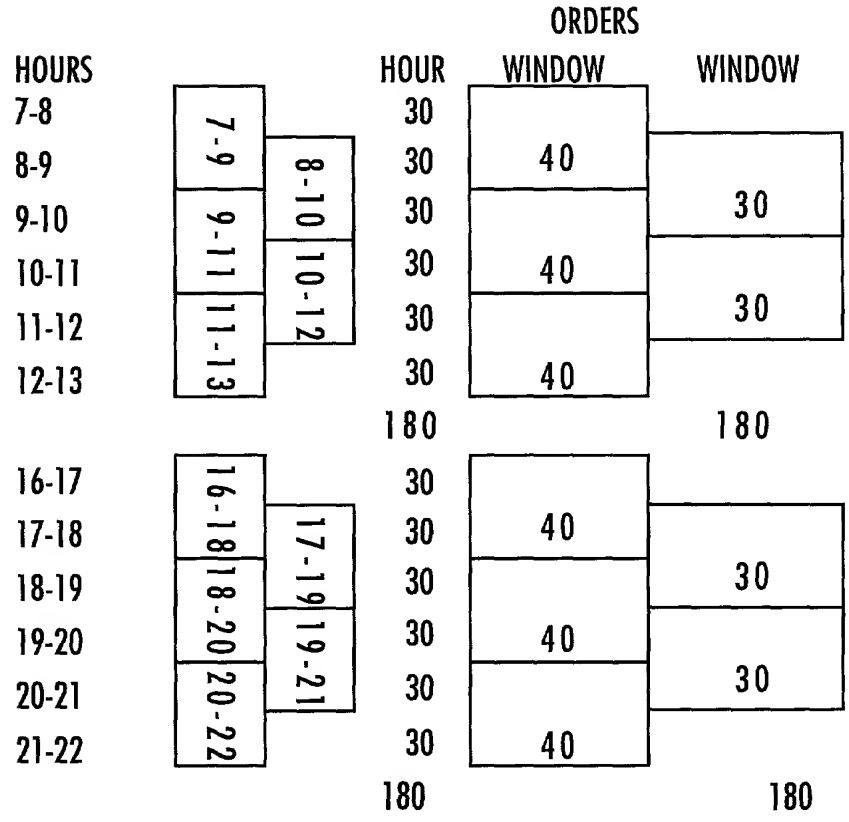

PURCHASER INITIATES DELIVERY REQUEST AT VENDOR WEB SITE
100
SCHEDULING ENGINE DETERMINES AVAILABLE DELIVERY TIME WINDOWS
200
PURCHASER SELECTS FROM AVAILABLE OVERLAPPING WINDOWS
300
PURCHASER SELECTIONS ADDED AS INPUT TO ROUTING ENGINE
400
ROUTING ENGINE DETERMINES OPTIMUM DELIVERY ROUTE
500

FIG. 5.

ORDER WINDOW BREAK DOWN
PROPOSED 2 HOUR WITH 1 HOUR OVERLAP



DAILY TOTALS	360		360
DRIVERS			
2 SPORH	15.0	4 SPORH	7.50
3 SPORH	10.0	5 SPORH	6.00
WEEKLY TOTALS (INCLUDES SATURDAY)			1980

FIG. 6.

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ORDER WINDOW BREAK DOWN
2 HOUR WITH 1 HOUR OVERLAP AND FULL SHIFT OVERLAP

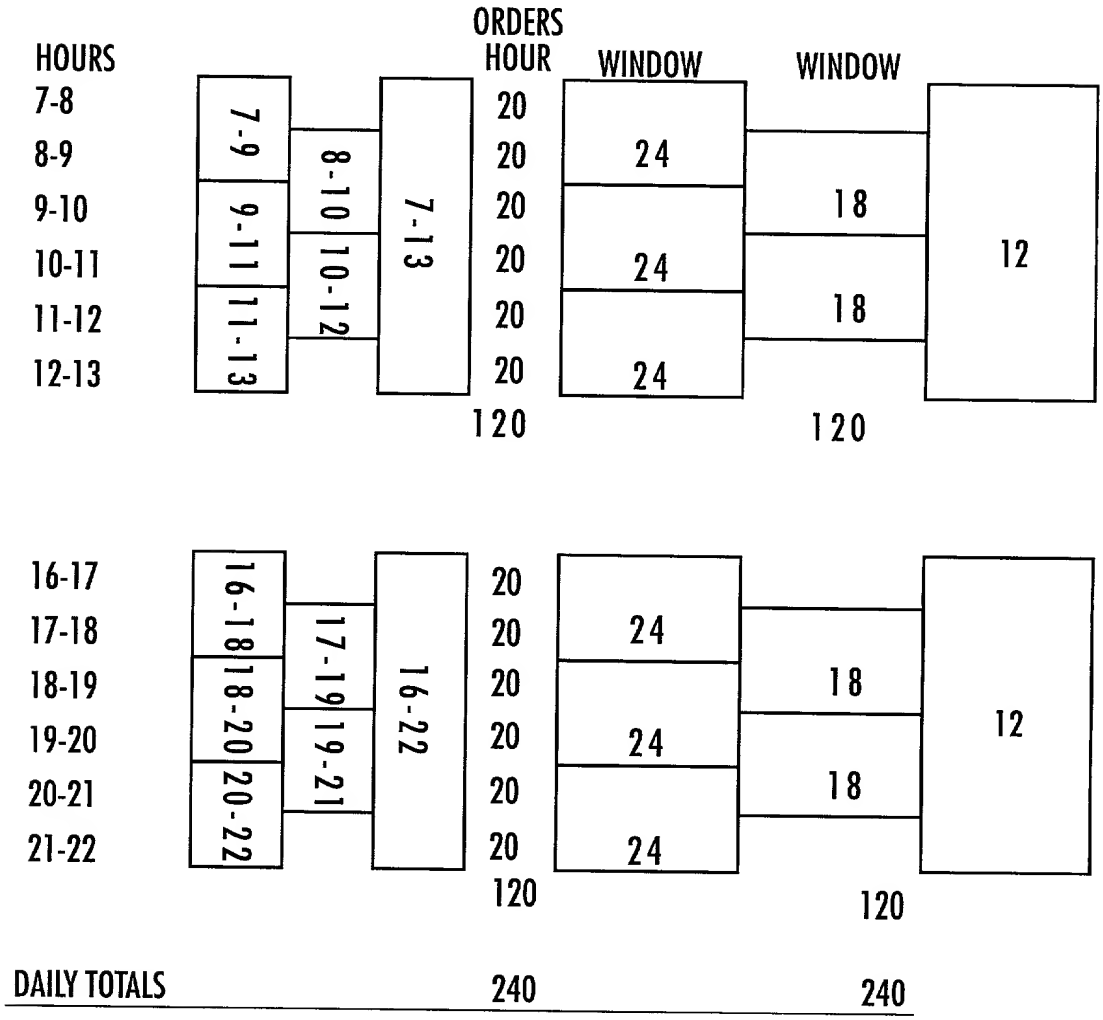

FIG. 7.

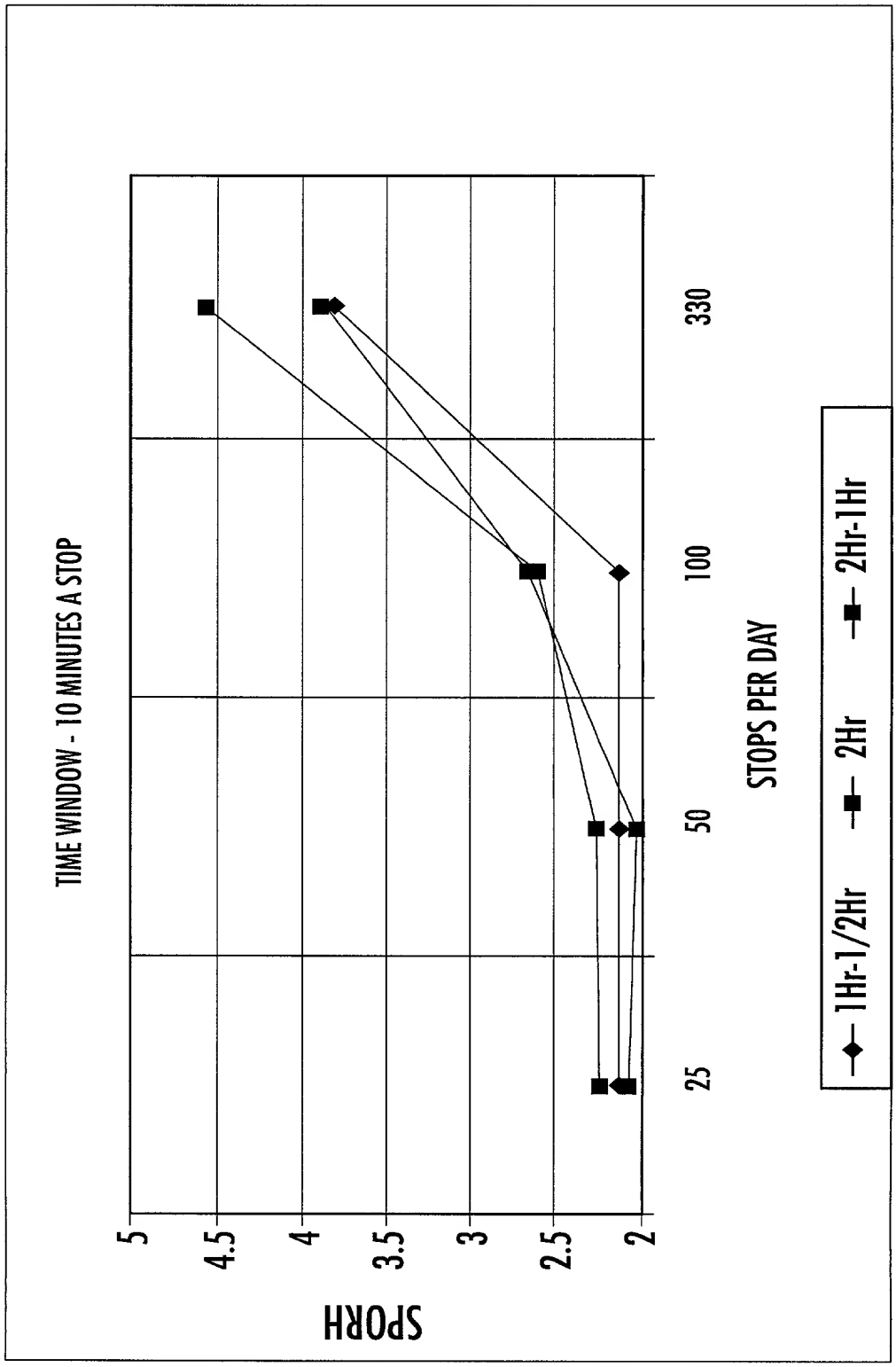
ATTENDED DELIVERY
TIME WINDOW - 10 MINUTES A STOP
SPORH
5
4.5
4
3.5
3
2.5
2
25
50
100
330
STOPS PER DAY
1Hr-1/2Hr
2Hr
2Hr-1Hr

FIG. 8.

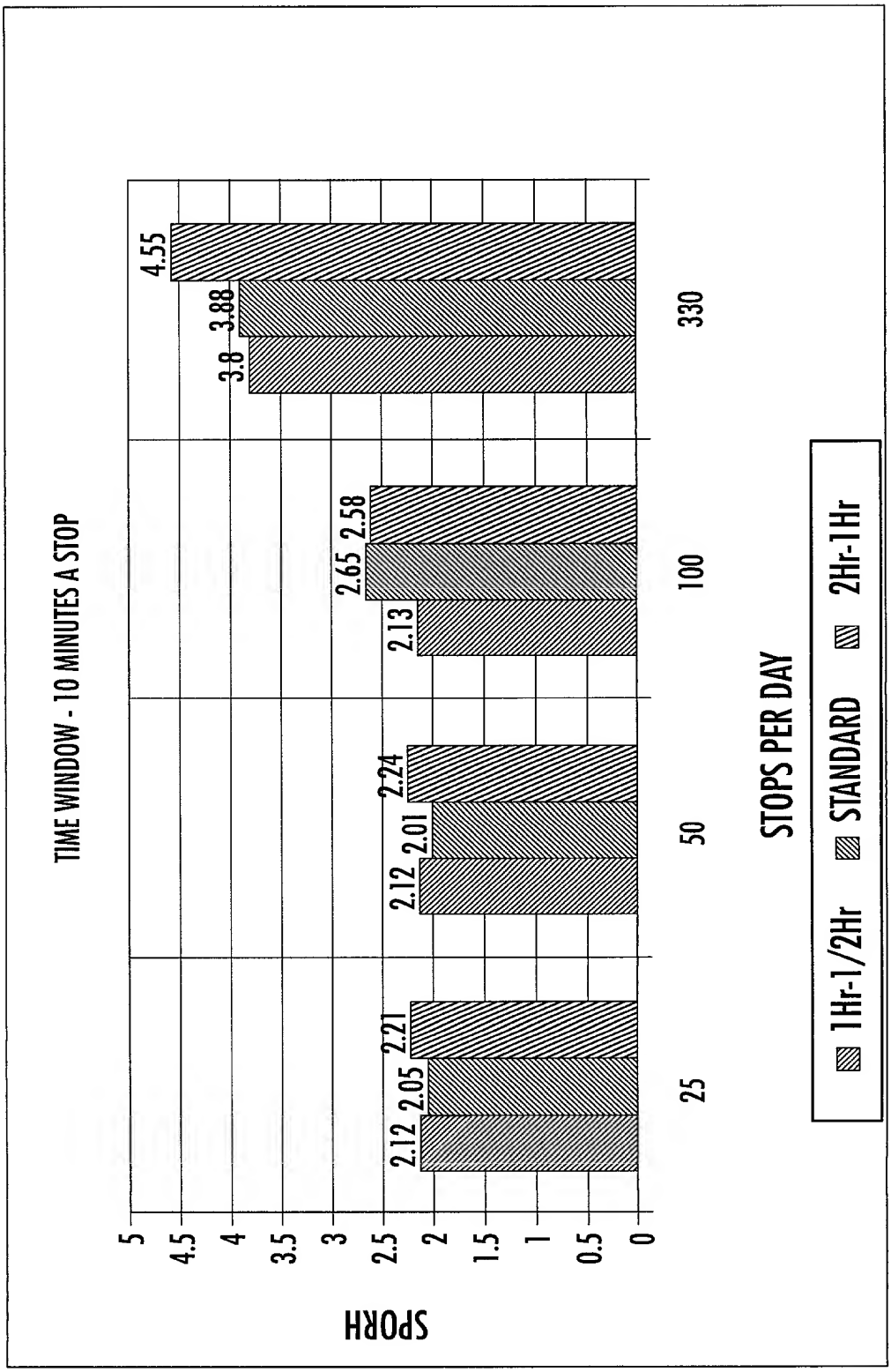
ATTENDED DELIVERY
TIME WINDOW - 10 MINUTES A STOP
SPORH
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
4.55
3.88
3.8
2.65
2.58
2.13
2.24
2.12
2.01
2.21
2.12
2.05
25
50
100
330
STOPS PER DAY
1Hr-1/2Hr
STANDARD
2Hr-1Hr

FIG. 9.